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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1 New England
Office of Environmental Measurement and Evaluation
11 Technology Drive, North Chelmsford, MA 01863

Aerovox
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248162

Memorandum

Date: June 25, 2004
Subj: Aerovox Pavement Sampling
New Bedford, MA
From: Daniel Granz, EIA
To: Jim Brown, HBO

On May 6, 2004, Daniel Granz and Lisa Thuot of USEPA Investigations and Analysis Unit visited the Aerovox site located at Belleville Avenue in New Bedford, MA to collect samples for PCB analyses from the fenced in parking lot area on the South side of the building. Both hexane wipe samples (100 square centimeter wipe area) and surface asphalt pavement samples were collected. The asphalt pavement samples were obtained using a hand chisel and the maximum depth sampled was ½ inch.

A total of 14 wipe samples plus a field duplicate & 2 wipe blanks and 14 pavement samples plus a field duplicate were collected. 12 sample locations were determined at random using an approximate 50 by 50-foot grid of the South parking lot area and using random numbers to select the grid locations sampled. Only grid locations within the fenced area were sampled. An additional 2 grid locations were biased sampled to add complete coverage of the parking area. Jim Brown selected the 2 biased locations (W4/P4 GPS point - WIPE4/PAVE4 sample numbers and W13/P13 GPS point - WIPE13/PAVE13 sample numbers).

The wipe samples were collected using hexane wetted gauze pads and 10 cm by 10 cm disposable templates. 2 hexane wetted gauze samples were collected as blanks for the wipe samples.

The asphalt pavement samples were collected adjacent to the wipe samples. Samples were intentionally collected in areas that did not have cracks in the pavement within the center of the selected grids. After sample collection the location was circled with white paint and numbered.

All locations were located by GPS and the coordinates are attached. The coordinates were also over layed on an aerial photograph of the facility and is attached as "Aerovox PCB Sampling: 6 May 2004".

A summary of the data is in the following Data Summary Table.

DATA SUMMARY TABLE

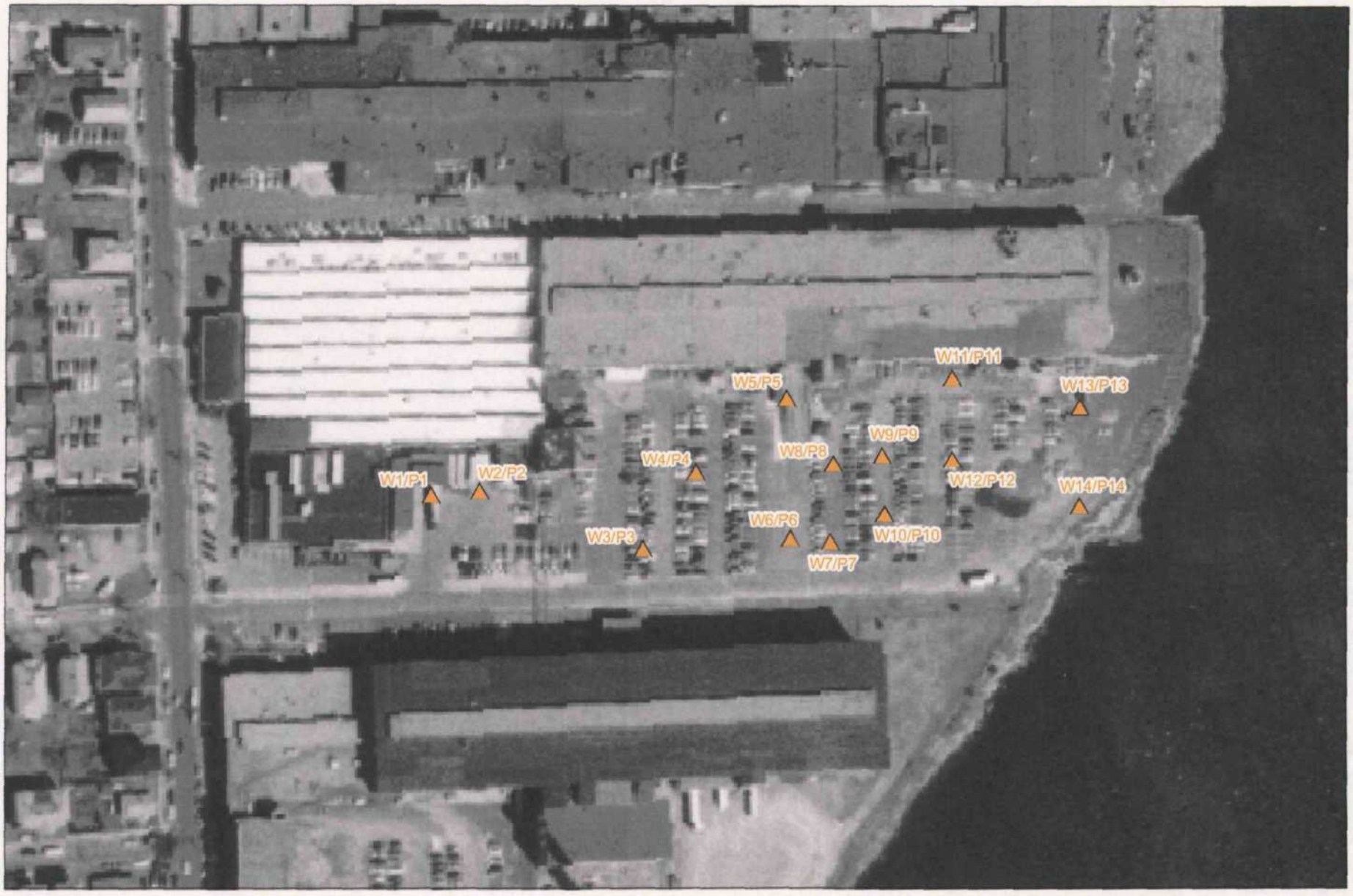
LOCATION SAMPLE NUMBERS	WIPE SAMPLE Aroclor 1242 (ug/100 cm² wipe)	Aroclor-1254	PAVEMENT SAMPLE Aroclor-1242 (mg/Kg - ppm)	Aroclor-1254	Total PCB's (mg/Kg)
W1/P1 WIPE1 PAVE1	ND	0.73	0.96	2.9	3.86
W2/P2 WIPE2 PAVE2	ND	ND	ND	ND	ND
W3/P3 WIPE3 PAVE3	ND	ND	ND	0.81	0.81
WIPE3D PAVE3D	ND	ND	ND	0.81	0.81
W4/P4 WIPE4 PAVE4	ND	0.80	6.9	12	18.9
W5/P5 WIPE5 PAVE5	ND	ND	1.5	3.8	5.3
W6/P6 WIPE6 PAVE6	ND	ND	ND	2.5	2.5
W7/P7 WIPE7 PAVE7	ND	ND	2.7	6.3	9.0
W8/P8 WIPE8 PAVE8	ND	ND	3.2	10	13.2
W9/P9 WIPE9 PAVE9	ND	ND	2.8	11	13.8
W10/P10 WIPE10 PAVE10	ND	0.93	2.3	9.2	11.5
W11/P11 WIPE11 PAVE11	ND	0.71	9.0	37	46
W12/P12 WIPE12 PAVE12	ND	ND	1.9	4.0	5.9
W13/P13 WIPE13 PAVE13	ND	0.59	2.9	7.2	10.1
W14/P14 WIPE14 PAVE14	ND	ND	2.6	4.3	6.9
BLANK1	ND	ND	no data	no data	-
BLANK2	ND	ND	no data	no data	-

ND Not detected above reporting limits: Wipe Samples 1.0 ug / 100 cm² wipe
Pavement bulk samples 1.0 mg/Kg (ppm)

The two laboratory data reports are attached and should be referenced for the complete laboratory data including additional PCB Aroclors not detected.

GPS SUMMARY TABLE

	Latitude	Longitude	Station	Correction Status	Unit Type	Date	Time	Feature	File Name	# of	Accuracy	Collector
	dec deg	dec deg					EDT			Positions	meters	
1	41.673940	-70.919484	W1/P1	Postprocessed Code	GeoExplorer 3	5/6/04	01:33:31pm	Point	R05061 7A.cor	28	1.2	Dan Granz
2	41.673946	-70.919287	W2/P2	Postprocessed Code	GeoExplorer 3	5/6/04	01:36:11pm	Point	R05061 7A.cor	28	1.2	Dan Granz
3	41.673754	-70.918638	W3/P3	Postprocessed Code	GeoExplorer 3	5/6/04	01:39:18pm	Point	R05061 7A.cor	28	1.2	Dan Granz
4	41.673977	-70.918413	W4/P4	Postprocessed Code	GeoExplorer 3	5/6/04	01:42:30pm	Point	R05061 7A.cor	27	1.2	Dan Granz
5	41.674189	-70.918035	W5/P5	Postprocessed Code	GeoExplorer 3	5/6/04	01:45:02pm	Point	R05061 7A.cor	29	1.2	Dan Granz
6	41.673765	-70.918043	W6/P6	Postprocessed Code	GeoExplorer 3	5/6/04	01:48:55pm	Point	R05061 7A.cor	25	1.1	Dan Granz
7	41.673749	-70.917883	W7/P7	Postprocessed Code	GeoExplorer 3	5/6/04	01:51:29pm	Point	R05061 7A.cor	26	1.1	Dan Granz
8	41.673985	-70.917859	W8/P8	Postprocessed Code	GeoExplorer 3	5/6/04	01:59:17pm	Point	R05061 7B.cor	27	1	Dan Granz
9	41.674004	-70.917661	W9/P9	Postprocessed Code	GeoExplorer 3	5/6/04	02:01:53pm	Point	R05061 7B.cor	25	1.1	Dan Granz
10	41.673826	-70.917660	W10/P10	Postprocessed Code	GeoExplorer 3	5/6/04	02:04:24pm	Point	R05061 7B.cor	26	1	Dan Granz
11	41.674228	-70.917367	W11/P11	Postprocessed Code	GeoExplorer 3	5/6/04	02:07:17pm	Point	R05061 7B.cor	26	1.4	Dan Granz
12	41.673983	-70.917380	W12/P12	Postprocessed Code	GeoExplorer 3	5/6/04	02:10:17pm	Point	R05061 7B.cor	26	1.2	Dan Granz
13	41.674125	-70.916859	W13/P13	Postprocessed Code	GeoExplorer 3	5/6/04	02:13:45pm	Point	R05061 7B.cor	26	1	Dan Granz
14	41.673825	-70.916876	W14/P14	Postprocessed Code	GeoExplorer 3	5/6/04	02:16:43pm	Point	R05061 7B.cor	27	1.1	Dan Granz



Aerovox PCB Sampling: 6 May 2004

N

0 10 20 40 60 Meters

Data Sources:
Sampling locations from EPA
accuracy 1 - 1.4 meters.
Orthophoto from MassGIS at 1:5,000.
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Map created: 23 June 2004

EPA New England